

I/WE CLAIM:

1. A method comprising the steps of:
providing a vehicle hood with an open cavity and at least a first flange member
5 juxtaposed with the open cavity;
providing at least a first headlight and a reflective material having at least a first
hole;
installing the at least first headlight to the at least first flange member such that
the at least first headlight extends into the open cavity; and,
10 inserting the reflective material into the open cavity of the hood such that the at
least first hole receives the at least first headlight and the reflective material is properly
positioned to reflect light from the at least first headlight through the open cavity.
2. The method of claim 1 further comprising the steps of:
15 providing the reflective material as a flexible, semi-rigid material with an opaque
back.
3. The method of claim 2 further comprising the steps of:
providing the open cavity of the hood with a periphery; and,
20 positioning the reflective material such that a portion of the back of the reflective
material comes in contact with the flange and at least a portion of the outer edge of the reflective
material contacts at least a portion of the open cavity periphery.
4. The method of claim 3 wherein the step of positioning the reflective material such
25 that a portion of the back of the reflective material comes in contact with the flange and at least a
portion of the outer edge of the reflective material contacts at least a portion of the open cavity
periphery further comprises the step of:
forming the reflective material into a parabolic shape.

5. The method of claim 1 further comprising the steps of:

providing the hood with a second flange member juxtaposed with the open cavity
and the reflective material with a second hole;

providing a second headlight;

5 installing the second headlight to the second flange member such that the second
headlight extends into the first open cavity;

inserting the reflective material into the open cavity of the hood such that the
second hole receives the second headlight and the reflective material is properly positioned to
reflect light from the first and second headlights through the open cavity.

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6. The method of claim 5 further comprising the steps of:

providing the open cavity of the hood with a periphery; and,

positioning the reflective material such that a portion of the back of the reflective
material comes in contact with the second flange.

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7. The method of claim 6 wherein the step of positioning the reflective material such
that a portion of the back of the reflective material comes in contact with the second flange
further comprises the step of:

forming the reflective material into a parabolic shape.

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8. A method comprising the steps of:

providing a vehicle hood with an open cavity and a first and second flange
member juxtaposed within the open cavity, wherein the open cavity further includes a periphery;

providing a first and second headlight and a semi-rigid reflective material having

25 a first and second hole and an opaque back;

installing the first and second headlights to the first and second flange member
such that the first and second headlights extend into the open cavity;

inserting the reflective material into the open cavity of the hood such that the first and second hole receive the first and second headlight respectively and the reflective material is properly positioned to reflect light from the first and second headlights through the open cavity.

5 positioning the reflective material such that a portion of the back of the reflective material comes in contact with the first and second flanges and at least a portion of the outer edge of the reflective material contacts at least a portion of the open cavity periphery; and forming the reflective material into a parabolic shape.

10 9. A method of forming an injection-molded component having complex molded features including a cavity, a C-shaped open cavity defined by an overhang, an under-hang and a periphery, at least one flange member containing at least one hole comprising the steps of:
providing an upper mold portion, a lower mold portion, a molten resin, and a runner;
15 abutting the upper mold portion to the lower mold portion thereby forming a hollow portion;
injecting the molten resin through the runner and into the hollow portion of the mold;
forming a molded resin product;
20 curing the resin;
moving the upper mold portion away from the lower mold portion; and,
removing the molded part from the mold.

25 10. The method of claim 9 further comprising the steps of:
providing the upper and lower mold portions with a contact surface.

11. The method of claim 10 further comprising the steps of:
providing the lower mold portion with a top rounded portion including openings.

12. The method of claim 11, wherein the step of abutting the upper mold portion to the lower mold portion thereby forming a cavity further comprises:

abutting the contact surface of the upper mold portion to the contact surface of the lower mold portion.

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13. The method of claim 12, wherein the molded component is a lawn tractor hood.

14. A method of forming an injection-molded component having complex molded features including a cavity, a C-shaped open cavity defined by an overhang, an under-hang, and a periphery, at least one flange member containing at least one hole comprising the steps of:

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providing an upper mold portion including a contact surface, a lower mold portion including a contact surface and a top rounded portion with openings, a molten resin, and a runner;

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abutting the contact surface of the upper mold portion to the contact surface of the lower mold portion thereby forming a hollow portion;

injecting the molten resin through the runner and into the hollow portion of the mold;

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forming a molded resin component in the shape of a lawn tractor hood;

curing the resin;

moving the upper mold portion away from the lower mold portion; and,

removing the molded component from the mold.